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NOTICE OF ALLOWANCE AND FEE(S) DUE

29175

K&L Gates LLP P. O. BOX 1135

CHICAGO, IL 60690

7590

03/04/2010

EXAMINER

MARTIN, ANGELA J

MARTIN, ANGELA

PAPER NUMBER

ART UNIT

DATE MAILED: 03/04/2010

	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
•	10/531,248	04/14/2005	Takemasa Fujino	3712174.00439	6200

TITLE OF INVENTION: ANODE AND BATTERY, AND MANUFACTURING METHODS THEREOF

I	APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
	nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/04/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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If the SMALL ENTITY is shown as NO:

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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APPLICATION NO.	FILING DATE			FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.	
10/531,248	04/14/2005	<u> </u>		Takemasa Fujino)		3	3712174.00439	6200	
TITLE OF INVENTION	: ANODE AND BATTE	ERY, AND MA	ANUFACT	J		EOF				
APPLN. TYPE	SMALL ENTITY	ISSUE FE	E DUE	PUBLICATION FEE D	OUE	PREV. PAID ISSUE	E FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1510		\$300	\$0			\$1810	06/04/2010	
EXAMINER		ART U	ART UNIT CLASS-SU		3					
MARTIN, A	ANGELA J	179	1795 429-217000							
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"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.	rm Customer	(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.								
3. ASSIGNEE NAME A	ND RESIDENCE DATA	A TO BE PRIN	NTED ON	THE PATENT (print o	or type	e)				
PLEASE NOTE: Unl	less an assignee is ident h in 37 CFR 3.11. Comp	ified below, n	o assignee form is NO	data will appear on to	he pa	tent. If an assign	ee is id	lentified below, the do	cument has been filed for	
(A) NAME OF ASSIG	•			(B) RESIDENCE: (C	_	· ·	COUNT	TRY)		
Please check the appropr	iate assignee category or	categories (w	ill not be pı	rinted on the patent):		Individual 🖵 Co	orporati	on or other private grou	p entity 🚨 Government	
4a. The following fee(s)	are submitted:		41	b. Payment of Fee(s): ((Pleas	se first reapply ar	ıy prev	riously paid issue fee sl	own above)	
Issue Fee				A check is enclosed.						
Publication Fee (N Advance Order - #		Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any								
- Advance Order - 1	or copies		_	overpayment, to I	Depos	it Account Numbe	er	(enclose an	extra copy of this form).	
5. Change in Entity State	tus (from status indicateds s SMALL ENTITY state	,	2 1 27	☐ b Applicant is no	a long	er claiming SMAI	LEN	ΓΙΤΥ status. See 37 CF	2 1 27(g)(2)	
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10/531,248		04/14/2005	Takemasa Fujino	3712174.00439	6200	
29175	7590	03/04/2010		EXAMINER		
K&L Gates LLP				MARTIN, ANGELA J		
P. O. BOX 11				ART UNIT	PAPER NUMBER	
CHICAGO, IL 60690				1795		
				DATE MAILED: 03/04/2019	0	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 702 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 702 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)						
	Application No.	Applicant(s)						
Notice of Allowability	10/531,248	FUJINO ET AL.						
Notice of Allowability	Examiner	Art Unit						
	ANGELA J. MARTIN	1795						
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commu IGHTS. This application is s	this application. If not included inication will be mailed in due cours						
1. This communication is responsive to <u>1/20/10</u> .								
2. X The allowed claim(s) is/are 25,26,28-31 and 49-51.								
 3. Acknowledgment is made of a claim for foreign priority unal All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 	e been received.							
3. Copies of the certified copies of the priority do	cuments have been received	d in this national stage application fr	om the					
International Bureau (PCT Rule 17.2(a)).								
* Certified copies not received:								
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirer	nents					
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			E OF					
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.							
(a) I including changes required by the Notice of Draftspers	son's Patent Drawing Reviev	v (PTO-948) attached						
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	,							
(b) ☐ including changes required by the attached Examiner'Paper No./Mail Date	(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date							
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t) of					
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			he					
Attachment(s)	5 Notice of he	Farmed Datant Application						
 Notice of References Cited (PTO-892) D Notice of Draftperson's Patent Drawing Review (PTO-948) 	_	formal Patent Application ummary (PTO-413),						
 Information Disclosure Statements (PTO/SB/08), 	Paper No./	Mail Date Amendment/Comment						
Paper No./Mail Date								
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 		Statement of Reasons for Allowand	e					
	9. Other	-						
	/Dah-Wei D. Yu							
	Supervisory Pat	ent Examiner, Art Unit 1795						

Application/Control Number: 10/531,248 Page 2

Art Unit: 1795

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Thomas Basso on January 29, 2010.

The application has been amended as follows:

In claim 25, line 6, please insert --not dissolved in a dispersion medium and is-after the words: wherein the binder is.

REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance: The Applicant claims an anode comprising a particulate anode active material, a conductive agent, and a particulate binder containing at least one compound selected from the group consisting of copolymers including vinylidene fluoride and polyvinylidene fluoride, wherein the binder is not dissolved in a dispersion medium and is fused by heating such that the anode active material and conductive agent are prevented from being covered with the binder.

Art Unit: 1795

In the prior art of record, Fukui et al., US 2004/0043294, teach an anode active material, a conductive agent and a binder dissolved in a dispersion medium (solvent). However, the prior art of record, taken either alone or in combination, fails to disclose or render obvious an anode comprising a particulate anode active material, a conductive agent, and a particulate binder containing at least one compound selected from the

group consisting of copolymers including vinylidene fluoride and polyvinylidene fluoride,

Page 3

wherein the binder is not dissolved in a dispersion medium and is fused by heating

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANGELA J. MARTIN whose telephone number is (571)272-1288. The examiner can normally be reached on Monday-Friday from 10:00 am to 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dah-Wei Yuan can be reached on 571-272-1295. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 1795

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AJM Examiner, Art Unit 1795

/Dah-Wei D. Yuan/ Supervisory Patent Examiner, Art Unit 1795